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Luminous phenomena in 2007 Mw8.0 Peru earthquake: Location of luminous source

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Earthquake light has been reported all over the world from ancient Greek, Roman, and Chinese times. There is no doubt that the phenomena exist. Light emanates from the whole sky, or locally from the ground. The shape reported is like aurora, pole, flash, ball lightning, and so on, while the color widely ranged from blue and blue-white to red-yellow and orange. We, however, note that all reports may not be on natural phenomena but on some artificial effects such as sparks at power lines.

In this presentation, we would like to report the earthquake light in 2007 Mw8.0 Peru earthquake. In particular, location of luminous source is discussed in detail.

Keywords: Earthquake, Atmospheric luminous phenomena, Earthquake light